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MSAT-G2

Ligado Networks offers the MSAT-G2 Mobile Satellite Radio, a powerful and flexible communications tool that works where you do. Designed for use on Ligado's SkyTerra 1 Features Space Based Network, the MSAT-G2 supports continent-wide Push-to-Talk (PTT) Two-Way Radio and Circuit Switched Voice and Data communications. In addition, the MSAT-G2 provides GPS capability and flexible interconnectivity to a variety of third-party interoperability interfaces, extending the reach of traditional Land Mobile Radio technology.

MSAT-G2 FEATURES

Dual-Service Handset

- Continent-Wide Two-Way Radio (PTT) and Circuit Switched Voice and Data service capability
- GPS Display Feature
- Keypad & Display Backlight Control
- Headset Port

L-Band Antenna

- Low profile Land Mobile 2-Axis Platform or;
- Maritime 3-Axis Platform
- 16 Channel GPS Receiver (inside L-Band antenna)

Radio Transceiver Unit

- Compact Form Factor
- Handset Port (RJ-45)
- Ethernet Port (RJ-45)
- Software Upgrades
- DB9 Serial Port
- GPS Output
- Cross banding interface for interoperability with LMR systems
- Dial-Up Data (4.8 kbps)
- External Speaker Port
- Power Connector

ligado.com | 10802 Parkridge Blvd, Reston, VA 20191 | 1601 Telesat Ct, Ottawa, ON K1B 1B9 | **USA** (877) 678-2920 **CAN** (800) 216-6728

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SPECIFICATIONS

NETWORK SPECIFICATIONS	
Communication Modes	Two-Way Radio half-duplex digital Voice full-duplex digital 4.8 kbps circuit switched data service
Frequencies	Transmit = 1626.5–1660.5 MHz Receive = 1525.0–1559.0 MHz
Channel Spacing	6 kHz

HARDWARE SPECIFICATIONS	
Weight	HUGHES 2100 Transceiver Unit = 0.8 lbs SpaceCom Land Mobile Antenna = 4.6 lbs SpaceCom Maritime Antenna = 10.3 lbs
Dimensions	HUGHES 2100 TU = (W) 6.5" x (H) 1.1" x (D) 5.6" SpaceCom Land Mobile Antenna = (Diameter) 9.8" x (Height) 3.9" SpaceCom Maritime Antenna = (Diameter) 11" x (Height) 11"
Humidity	98% at 100.4°F (38°C)
Operating Temperature	Antenna = -22°F(-30°C) to +109°F(+43°C) TU = -22°F(-30°C) to +131°F(+55°C)
Dust	In accordance with SAE J1455 section 4.7
Rain	Antenna = Precipitation rate of 2"/hour
Power	Primary Voltage = 12V DC Nominal Input current 3 Amps max

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